





## **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	EOD EXIDENCE A CENON	See Notific	cation of Transmittal of International					
M/43167-PCT	FOR FURTHER ACTION Preliminary Examination Report (Form PCT/IPEA/416)							
International application No.	International filing date (day/n		Priority date (day/month/year)					
PCT/EP2003/008013	22 July 2003 (22.07	.2003)	23 July 2002 (23.07.2002)					
International Patent Classification (IPC) or national classification and IPC C07D 239/54								
Applicant BASF AKTIENGESELLSCHAFT								
This international preliminary examinated and is transmitted to the applicant action.		by this Intern	ational Preliminary Examining Authority					
2. This REPORT consists of a total of	1 sheets includi	on this nover s	heat					
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amended and are the basis for	r this report and/or sheets contai	ning rectifica	on, claims and/or drawings which have been tions made before this Authority (see Rule					
70.16 and Section 607 of the	Administrative Instructions und	er the PCT).	, (					
These annexes consist of a total of sheets.								
3. This report contains indications relating to the following items:								
I Basis of the report								
II Priority								
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
Tools of well-self-west-se								
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain documents cited								
VII Certain defects in the international application								
VIII Certain observations on the international application								
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Date of submission of the demand		Date of completion of this report						
30 January 2004 (30.01	.2004)	14 October 2004 (14.10.2004)						
14 October 2004 (14.10.2004)								
Name and mailing address of the IPEA/EP	Author	Authorized officer						
Facsimile No.		Telephone No.						



International application No.

PCT/EP2003/008013

I. Basis of the report						
1. With regard to the elements of the international application:*						
	the international application as originally filed					
	the description:					
	pages	. 1-66 , as originally filed				
	pages	, filed with the demand				
	pages	, filed with the letter of				
	the claims:					
	pages	1-20 , as originally filed				
	pages	, as amended (together with any statement under Article 19				
		, filed with the demand				
		, filed with the letter of				
	the drawings:					
	_	, as originally filed				
		, filed with the demand				
		, filed with the letter of				
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		, as originally filed				
	pages	, filed with the letter of, filed with the demand				
i the ii	ternational application was file elements were available or further the language of a translation the language of publication or	e elements marked above were available or furnished to this Authority in the language in which ed, unless otherwise indicated under this item.  rnished to this Authority in the following language which is:  furnished for the purposes of international search (under Rule 23.1(b)).  If the international application (under Rule 48.3(b)).  on furnished for the purposes of international preliminary examination (under Rule 55.2 and/				
3. With preli	ninary examination was carried contained in the international	••				
	filed together with the international application in computer readable form.  furnished subsequently to this Authority in written form.					
Ī		s Authority in computer readable form.				
	• •	sequently furnished written sequence listing does not go beyond the disclosure in the				
	The statement that the inforbeen furnished.	mation recorded in computer readable form is identical to the written sequence listing has				
4.	The amendments have resulted					
	<del></del>					
5.	This report has been establish	ed as if (some of) the amendments had not been made, since they have been considered to go as indicated in the Supplemental Box (Rule 70.2(c)).**				
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).						
** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.						

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v.	easoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; tations and explanations supporting such statement					
1.	Statement					
	Novelty (N)	Claims	1-20	YES		
		Claims		NO		
	Inventive step (IS)	Claims	1-20	YES		
		Claims		NO		
	Industrial applicability (IA)	Claims	1-20	YES		
		Claims		NO.		

Citations and explanations

The following documents are considered to represent relevant prior art:

- (A) WO 9206962
- (B) WO 0183459
- (C) WO 9828280
- (D) WO 03029226

This report will not at present take document (D) into further consideration since it was published after the priority date of the present application.

## Novelty (PCT Article 33(2))

The present application is considered to concern a novel selection of the disclosure in document (A). Owing to the specific phenyl substituents, the claimed herbicides additionally appear to be novel with respect to (B) and (C).

## Inventive step (PCT Article 33(3))

The problem addressed by the present application is considered to be that of preparing further heterocyclic herbicides.

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Documents (A) to (C) each disclose heterocyclic herbicides; each of the three documents could be considered the closest prior art. They recommend as the molecule centre a phenyl ring which, in the relative meta position, carries a nitrogenous heterocyclic ring, such as a uracil or pyrazole ring, for example, and a carboxyl derivative to the person skilled in the art seeking further herbicidal compounds. The special carboxamide substituents of the present application display an unexpected improvement of the herbicidal effect with respect to the compounds in document (B), as the test reports of 20 July 2004 demonstrate. Inventive step within the meaning of PCT Article 33(3) can therefore be recognized for all the compounds that solve the problem of interest.